

Form PTO-1449
(REV. 8-83)US Dept. of Commerce
PATENT & TRADEMARK OFFICEATTY DOCKET NO.
104222APPLICATION NO.
09/874,039

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT(S)
L. H. MAINWARING et al.FILING DATE
June 6, 2001GROUP
3728

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
LKB		2,133,122	10/1938	Swain		
		2,705,579	4/1955	Mason		
		3,524,537	4/1970	Winter		
		3,573,069	3/1971	Keller et al.		
		3,730,337	5/1973	White		
		3,520,306	7/1970	Gardner et al.		
		3,835,834	9/1974	Brown et al.		
		4,138,014	2/1979	Bouman		
		4,690,676	9/1987	Moulding, Jr., et al.		
		4,781,696	11/1988	Moulding, Jr., et al.		
		4,844,251	7/1989	Gueret		
		4,877,036	10/1989	Saint-Amand		
		4,880,111	11/1989	Bagwell et al.		
		4,903,708	2/1990	Saint-Amand		
		4,930,637	6/1990	DeRoseau		
		5,038,938	8/1991	Berndt		

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER

L.K. Bui

DATE CONSIDERED

7/18/03

Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	FILING DATE June 6, 2001	GROUP 3728

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
LNB	4,944,427	7/1990	Yamada et al.		
	5,066,299	11/1991	Bellingham		
	5,167,973	12/1992	Snyder		
	5,203,459	4/1993	Wade		
	5,259,835	11/1993	Clark et al.		
	5,277,920	1/1994	Weaver Jr.		
	5,292,333	3/1994	Johnson		
	5,456,361	10/1995	Walsh et al.		
	5,562,705	10/1996	Whiteford		
	5,569,302	10/1996	Proto et al.		
	5,660,273	8/1997	Discko, Jr.		
	5,727,679	3/1998	Newarski		
	5,779,053	7/1998	Partika et al.		
	5,794,774	8/1998	Porcelli		
	5,947,296	9/1999	Castora		
	5,979,658	11/1999	Allen et al.		

FOREIGN PATENT DOCUMENTS

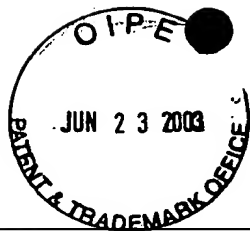
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER <u>L.K. Bu1</u>	DATE CONSIDERED <u>7/18/03</u>
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
LH2		5,986,246	11/1999	Lee			
		5,989,205	11/1999	Pond et al.			
		6,010,462	1/2000	Stoermer, III			
		6,012,586	1/2000	Misra			
		6,085,907	7/2000	Hochmeister et al.			
		6,105,761	8/2000	Peuker et al.			
		6,186,971	2/2001	Naughton			
		6,206,192	3/2001	Winstead et al.			
		6,213,767	4/2001	Dixon et al.			
		6,216,885	4/2001	Guillaune			
		6,228,324	5/2001	Hasegawa et al.			
		6,283,933	9/2001	D'Alessio et al.			
		6,305,541	10/2001	Tanner et al.			
		6,312,258	11/2001	Ashman			
		6,329,564	12/2001	Lebner			
		6,340,097	1/2002	D'Alessio et al.			
		6,341,694	1/2002	Dawood			
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LKB		4,648,532	3/1987	Green			
		4,826,047	5/1989	Heflin			
		4,972,969	11/1990	Randklev			
		5,042,690	8/1991	O'Meara			
		3,728,375	4/1973	Coover, Jr. et al.			
		3,970,505	7/1976	Hauser et al.			
		4,297,160	10/1981	Kusayama et al.			
		4,340,708	7/1982	Gruber			
		4,777,230	10/1988	Kamath			
		5,130,369	7/1992	Hughes et al.			
		5,328,687	7/1994	Leung et al.			
		5,928,611	7/1999	Leung			
	6,217,603	4/2001	Clark et al.				
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